

03050105-190

(Pacolet River)

General Description

Watershed 03050105-190 is located in Union, Cherokee, and Spartanburg Counties and consists primarily of the **Pacolet River** and its tributaries from Lawsons Fork Creek to the Broad River. The watershed occupies 65,170 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Madison-Cecil-Pacolet series. The erodibility of the soil (K) averages 0.27, and the slope of the terrain averages 10%, with a range of 2-25%. Land use/land cover in the watershed includes: 71.9% forested land, 13.4% scrub/shrub land, 11.2% agricultural land, 2.3% urban land, 0.9% barren land, and 0.3% water.

This section of the Pacolet River accepts drainage from its upper reach (03050105-170), together with Richland Creek, Harvey Branch, Browns Branch, Plum Branch, and Mill Branch. Further downstream, Mill Creek (Jumping Run Creek, Eison Branch) enters the river followed by Sandy Run Creek, Peter Hawks Creek, Gault Creek, another Mill Creek, another Gault Creek, Big Creek, Kendrick Branch, and Reedy Branch. The Pacolet River drains into the Broad River. There are a few ponds and lakes (totaling 90.8 acres) in this watershed and a total of 114.0 stream miles, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
BP-001	S	FW	PACOLET RIVER ABOVE DAM AT PACOLET MILLS
B-780	BIO	FW	MILL CREEK AT SR 73
B-048	P	FW	PACOLET RIVER AT SC 105, 6 MI ABOVE CONFLUENCE WITH BROAD RIVER

Pacolet River - There are two monitoring sites along this section of the Pacolet River, and a significant decreasing trend in five-day biochemical oxygen demand at both sites suggests improving conditions for this parameter. At the upstream site (**BP-001**), aquatic life uses are fully supported. There is a significant decreasing trend in pH. Aquatic life uses are also fully supported at the downstream site (**B-048**). Recreational uses are not supported at either site due to fecal coliform bacteria excursions.

Mill Creek (B-780) – Aquatic life uses are partially supported based on macroinvertebrate community data.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

PACOLET RIVER
SSSD/PACOLET MILLS WWTP
PIPE #: 001 FLOW: 0.3
PACOLET RIVER TRIBUTARY

NPDES#

TYPE

LIMITATION

SC0044717
MINOR DOMESTIC
EFFLUENT
SCG730293

VULCAN MATERIALS CO./PACOLET QUARRY
PIPE #: 001 FLOW: M/R

MINOR INDUSTRIAL
EFFLUENT

MILL CREEK
SPARTAN MILLS/ROSEMONT MILL
PIPE #: 001 FLOW: 0.0122

SC0037371
MINOR INDUSTRIAL
EFFLUENT

Nonpoint Source Management Program

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

DEATON SAND COMPANY
DEATON SAND PIT

1016-83
SAND

VULCAN MATERIALS CO.
PACOLET QUARRY

0062-83
GRANITE

Growth Potential

There is a low to moderate potential for growth in this watershed, which contains portions of the Towns of Jonesville and Pacolet. Public water and sewer services are available in Jonesville, and residential and commercial uses center around the town and along S.C. Hwy. 9.